Info**DOMAIN**

INFORMATION SUPERIORITY FOR THE WARFIGHTER

FALL 2006

KNOWLEDGE MANAGEMENT

InfoDOMAIN

INFORMATION SUPERIORITY FOR THE WARFIGHTER

FEATURES

DEPARTMENTS

COVER: Our feature article centers on the collection of information in an organized manner to provide the right information at the right time to our warfighters. (Photo illustration by Mr. Michael J. Morris)

Focus on Information

Our search for technical experts and shutter bugs

Welcome once again to YOUR "Journal of Information Warfare." This edition of *InfoDomain* focuses on key areas of information warfare to include Knowledge Management, the Triton program, Cyber Condition Zebra and a recent OPSEC conference held aboard Naval Amphibious Base Little Creek, Norfolk, VA.

As our commander, VADM James D. McArthur Jr. emphasized in our first issue, we are focusing our articles on current and future Information Warfare doctrine, tactics, techniques, and procedures, while highlighting best practices, written by cutting edge subject matter experts in all mission areas.

To date we have highlighted NETWARCOM's Space campaign and the Navy's annual experiment "Trident Warrior," held in the Pacific this past summer. In our coverage of TW '06, a joint operation and multinational event sponsored by NETWARCOM and SPAWAR, we not only informed you of the overall experiment, but highlighted some new high-tech gear and a first-time ever drill with local, regional and interagency emergency first responders.

Our quarterly publication is striving to not only inform you about events and changes throughout our domain, but as stated by the admiral, to challenge subject matter experts throughout NETWARCOM to provide us

with essays/articles from the field. Hence we are initiating *InfoDomain's* first essay contest.

Your essays may range from 500 to 1,000 words in length. Also note that articles detailing space systems' capabilities or discussion of other technical or operational issues must undergo a security review at point of origin. Final approval for public release lies with NETWARCOM's Public Affairs Office.

Deadline for your essays/articles will be Feb. 28, 2007, with the winners being published in our spring 2007 issue. There are no cash prizes at this time, but we hope the mere incentive of being published will encourage your participation.

Additionally, we are putting the challenge out to all you "shutter-bugs" within NETWARCOM's domain to "hit us with your best shot." That's right; *InfoDomain* is also seeking photos which depict our information warfare community's story.

Original hard-copy photos can be mailed to the public affairs address listed below, or you can transmit electronic images in a JPEG format at a minimum resolution of 300 dpi (size 3" X 5" minimum); preferred resolution is 400 dpi to: george.bieber@navy.mil. Photos must be received by May 31, 2007 with captions that describe who and what

is being pictured, as well as photographer's full name, duty station, military rank/rating and contact information (phone number, e-mail).

Our only request is that your photo(s) provide a glimpse into the many facets of Navy life, both on the job and in the community. Again there is no cash reward; winners will be published in the summer edition of *InfoDomain* with the first place winner seeing his or her photo on the magazine's cover.

We hope these two contests will bring out the Ernest Hemingways and Joe Rosenthals in our reading audience.

Also, according to DoD guidance we are not authorized to provide copies of *InfoDomain* to individuals. We will be updating our mailing list after this issue goes to press.

In order for individuals to receive *InfoDomain* in the future it will be necessary to subscribe through the Superintendent of Documents.

Vandervort redesignated NETWARCOM's
FORCE MASTER CHIEF

Story and photo by MC2(SW) Christopher J. Koons

Master Chief(SW) Jeff Vandervort, who has been serving at Naval Network Warfare Command as a CNO-directed Master Chief, has been redesignated a Force Master Chief by the Master Chief Petty Officer of the Navy, MCPON(SW/FMF) Joe R. Campa Jr.

Master Chief Vandervort has the responsibility of leading nearly 22,000 Sailors and civilians worldwide who either report directly to the command, or serve in the fleet as Information Systems Technicians (IT) and Cryptologic Technicians (CT).

Announcing Master Chief Vandervort's designation at a recent NETWARCOM Commander's Conference, VADM James D. McArthur Jr., COMNAVNETWARCOM, said MCPON understands the relevance, scope and magnitude of the command's mission set and its importance to the Navy.

"It's terrific, Master Chief, that you're the first force master chief for NETWARCOM. It is great news for our information warfighters -- both enlisted and officer," VADM McArthur added.

According to Master Chief Vandervort, his designation as force master chief places emphasis on how important the territory of cyberspace has become to the security of the United States. If we are to win wars, we must control the Information Domain — and it's the Information Warriors who create effects in that domain. Our forces and mission are at risk without complete, secure, assured, accurate and timely information.

"In the past decade, the Internet and other computer technology have increased both our abilities and vulnerabilities," he said. "NETWARCOM was set up to figure out how to leverage the capabilities and fight in this new domain. The elevation of my position to force master chief puts us at the same level as the 'big four' warfare areas of aviation, surface, sub-surface, and expeditionary, and recognizes information warfare as a distinct warfare area."

"Our area is the cyber domain, which has its own space on the battlefield," he added. "This is official

CNOCM(SW) Vandervort chats with an attendee during a recent conference at NAB Little Creek, Norfolk, VA.

recognition of our domain and the Sailors that operate in it."

With the war on terror still being fought, NETWARCOM's mission is more important than ever, he explained. "Our adversaries are leveraging technology to wage war against us. Technology is exploding so we must continue to build an agile force to defend against this ever changing threat."

Because of his designation as a force master chief, Master Chief Vandervort now has a seat at the table with the top advisors to the MCPON.

"The MCPON meets with fleet and force master chiefs every few months to discuss issues that affect Sailors around the world and it's truly an honor to be a direct contributing member," he explained.

Master Chief Vandervort, who has been in the Navy for 24 years, said his success can serve as an example for all young Sailors looking to make a career in the Navy. "A lot of people provided the right encouragement at the right time that helped me to be the person I am today," he said. "One of my most important duties today is to provide the same encouragement to those around me." ☙

(Left to right) RDML Michael A. Brown, VADM James D. McArthur Jr., COL Stephen G. Fogarty, ADM John B. Natham, CAPT Sean Filipowski, VADM Mark P. Fitzgerald and RDML Edward H. Deets III

Navy Leadership visit Ft. Gordon's Sailors

Story and photo by NIOC Georgia PAO

Recently, Navy Information Operations Command Georgia hosted a high-level naval delegation to highlight how the command has evolved to meet the information needs of the fleet and other forces. Leading the delegation of 12 stars was ADM John B. Nathman, commander, U.S. Fleet Forces Command.

This was the first time NIOC Georgia ever hosted so many high-ranking visitors at one time.

Previously, VADM James D. McArthur Jr., commander, Naval Network Warfare Command, had visited NIOC Georgia, during its change of command in June. He was so impressed with the work

the Sailors were doing on both the Navy and joint sides here that he expressed to his fellow officers that they, too, should visit NIOC Georgia to gain a personal appreciation of how the work being done was truly putting the Navy "in the fight."

During the visit, Nathman and his party received a tour of the Airhandler and Cobra Focus shops, as well as the National Security Agency/Central Security Service Geospatial Cell and Fleet Information Operations Command Watch and a variety of target shops. Within these shops the visitors were briefed by a number of operators and witnessed first-hand the

intelligence support provided by Fort Gordon's cryptologic specialists. The admirals then spent their lunch talking with NIOC Georgia Sailors who have deployed on the behalf of NIOC Georgia and the fleet in support of forward-deployed forces.

This was a rare opportunity for these Sailors to share their stories with such high-level naval leadership; only the Chief of Naval Operations would have comprised a higher-level delegation. During their discussions, the admirals were able to hear one-on-one from each Sailor, the benefits of being stationed at NIOC Georgia while deploying forward. ☏

Naval Postgraduate School
seeks Applicants

By NETWARCOM PAO

The Naval Postgraduate School, in Monterey, CA, is currently seeking qualified applicants for its distributed learning Master of Systems Analysis degree program scheduled to begin soon.

The MSA degree is offered in partnership with the Chief of Naval Operations and the Naval Education and Training Command. The program is targeted to Navy Unrestricted Line Officers, but is open to other qualified uniformed officers and federal government civilians on a seat available basis.

This graduate program is tailored to students whose career path may not allow them to enroll in a full-time graduate education program and is tuition funded by NETC, however students must pay for their own books. Qualified applicants must possess a bachelor's degree with a minimum 2.2 GPA, have completed a calculus class with a "C" or better and have the endorsement of their command.

Command endorsement is essential because of the required, 3-hour, once a week video-tele-education (VTE) course scheduled on Wednesdays from 8 - 11 a.m. Pacific time. The 24-month, part-time program is a blend of distance learning methods. Students take two courses a quarter for eight consecutive quarters with one course delivered through web based instruction and the other through VTE. Class size is limited to 25 students.

Students who successfully complete the program earn an MSA degree and Certificate in Systems Analysis. A second certificate can also be earned in a system analysis context option track approved by the student's sponsor that currently includes Defense Resource Management, Information Systems Technology, Space Systems, Anti-submarine Warfare, and Information Systems and Operations. The MSA is a professional degree awarded for completing a curriculum focused on practice of the profession rather than the more general arts and science behind the profession.

A new MSA class is scheduled to begin each spring and fall, and is delivered initially to three primary locations: Washington, D.C., (Navy Annex, Pentagon and/or Quantico, VA), Norfolk, VA, and San Diego. The classroom at each location will be determined at a later date and information will be distributed to selected students. Other sites may be added based on concentration areas of students desiring to participate.

For more information on the MSA program visit the program's webpage on the NPS Web site http://www.nps.edu/dl/NPSO/degre_progs/msa.html. You can also contact the NPS Office of Continuous Learning Student Coordinator at OCLStudCoord@nps.edu or Outreach representative Mr. Mitch Cook in Washington, D.C., at mcook@nps.edu, Mr. Joe Vaughn in Norfolk at NorfolkFCA@nps.edu, or Mr. George Zolla in San Diego at SanDiegoFCACA@nps.edu. ଔ
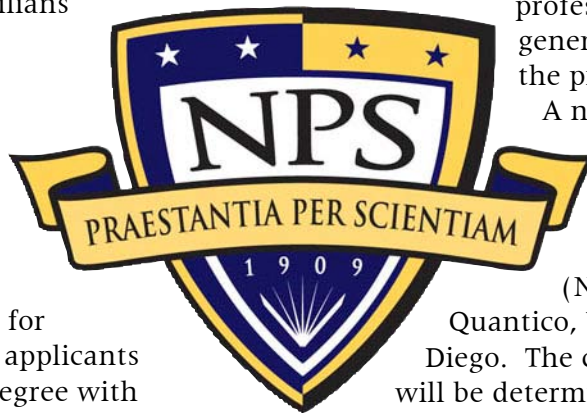
MCPON Campa calls on
CID Corry Station

Story and photo by
Darlene Goodwin
CID Corry Station PAO

Master Chief Petty Officer of the Navy (SW/FMF) Joe R. Campa Jr. visited the Center for Information Dominance Corry Station as part of a tour of naval installations in the Pensacola area recently.

Upon Campa's arrival, chief petty officer selectees from CID and the Navy Information Operations Command Pensacola were lined up in a sideboy formation to shout a rousing welcome aboard to the leader of the Navy's enlisted force. Campa then invited the group into a huddle, greeting them personally and offering advice for success as enlisted leaders entering the khaki realm.

"He talked about the importance of taking care of our people -- of getting to know them and being accessible," said CTNC(sel) Robert E. Brashear, CID Corry Station Learning Site Sailor of the Year for 2004 and 2005, now stationed at NIOC Pensacola. "We were very fortunate that the MCPON took time to spend with us."

CTRC(sel) Kathleen Spaargaren said Campa's advice was in line with what the selectees had been learning during their CPO transition period.

"We've learned that, as chief petty officers, one of our main responsibilities is to our shipmates," Spaargaren said. "Once we put on our khaki uniform, we have even more opportunity to be of use to our fellow Sailors and we must look out for our people no matter what."

CID Commanding Officer, CAPT Kevin R. Hooley said it was a distinct pleasure to host the Navy's senior enlisted leader.

"All hands thoroughly enjoyed his visit and it was a wonderful opportunity for our chief selects to get first hand MCPON mentoring during their transition season," Hooley said.

The captain briefed Campa on the command's mission and top-priority projects, including training multi-service Information Warfare and Information Technology members for duty in the Global War on Terror, Navy Credentialing Program, and new Navy Center for Language, Regional Expertise and Culture.

"We had great discussions on the complex GWOT mission critical skills we teach at CID and shared our mutual admiration for the Sailors who work so hard to attain them, and for those who teach them," Hooley said. "MCPON Campa provided invaluable perspective and feedback that we've already incorporated in our daily work." ☙

MCPON(SW/FMF) Joe R. Campa Jr., addresses CPO selectees upon arriving at Corry Station recently.

ONE-NET
OCONUS Navy Enterprise Network

IT-21

NMCI
NAVY MARINE CORPS INTRANET

CYBER CONDITION
ZEBRA

Operation CCZ
aims to increase network security

By MC2(SW) Christopher J. Koons
Illustration by Michael J. Morris

As the Navy moves toward integrating its computer networks under three large enclaves, the need to protect those networks from attack and infiltration by unauthorized personnel has become vital. In order to defend against current and future threats, Naval Network Warfare Command has been conducting Operation Cyber Condition Zebra (CCZ).

"Operation CCZ is a deliberate operational campaign to secure the Navy's legacy networks," said LCDR James Caroland, engineering team leader for the project. "We want to prevent the adversary from exploiting them."

According to Caroland, the Navy is currently moving toward integrating all of its computer networks into three primary enterprise enclaves: Navy Marine Corps Intranet (NMCI), OCONUS Navy Enterprise Network (ONE-Net) and Integrated Shipboard Network System (ISNS), also referred to as IT-21. Any network that is not yet part of one of these enclaves is considered to be a legacy network.

Operation CCZ realigns legacy network enclaves behind new security infrastructures and terminates the regional legacy networks 180 days after CCZ has completed that region's alignment.

"Our goal is to blend all legacy networks into one of the three enclaves," said LT Travis Dawson, CCZ's operations officer. "This will limit the intrusions of unauthorized personnel into our networks."

According to Caroland, CCZ has been implemented in eight Navy regions: Hampton Roads and the Tri-base Enterprise Network (Kings Bay, GA; Jacksonville and Mayport, FL), New Orleans, San Diego, the Pacific Northwest, Hawaii, and the National Capital Region (Washington, D.C.'s Navy Yard; Mechanicsburg, PA, and Patuxent River, MD) and Yokosuka, Japan.

"All of the Navy's data and information technology transactions are more secure in the regions where CCZ has been executed," he said. "NETWARCOM and a team of engineers from SPAWAR have designed an information assurance suite which has firewalls and other security mechanisms. This suite is then placed at the center of the Navy regions and all of the commands with legacy networks are redirected behind the information assurance suite."

According to Caroland, Operation CCZ, which began in May 2005, has been a spectacular success.

"We've seen tangible results by the amount of bad traffic that now gets blocked going to and from legacy networks," he said. "We've also significantly increased the UTNP-P (Unclassified Trusted Network Protect Policy) compliance rate."

The goal of protecting against enemy attacks on legacy networks has also been achieved, said Dawson. "So far there have been no confirmed intrusions on any site that has been protected by Operation CCZ."

Once CCZ has concluded, the Navy will feel far more secure about its computer networks than it did before the project started, said Caroland.

"The battle in cyberspace is a constant one," he said. "CCZ has increased the Navy's ability to defend its portion of the global information grid, as well as to provide centralized command and control of our networks." ∝

CID hosts First Meeting of Navy Language Action Panel

By Darlene Goodwin
CID Corry Station PAO

The first meeting of the Navy Language Action Panel established to develop Navy's strategy to implement Department of Defense language and cultural awareness initiatives, was recently hosted by the Center for Information Dominance, Corry Station.

Mark Neighbors, deputy senior language authority for the Chief of Naval Operations (CNO N13F) and NLAP director, said the NLAP working groups are focusing on developing the most effective ways to deliver capability across the Navy in the areas of foreign language, regional expertise and cultural awareness.

"The bottom line is that we've got to institutionalize this capability -- just like we've done with our other warfighting attributes, such as air, surface or submarine warfare," Neighbors said. "We are here to figure out how we organize, galvanize and streamline associated training and education across the Navy, so that when we need them, we will have Sailors who can speak a foreign language and who are conversant and familiar with foreign cultures."

The NLAP is composed of military and civilian representatives from the office of the Chief of Naval Operations, U.S. Fleet Forces Command, Navy Personnel Command, Navy Recruiting Command, Naval Special Warfare Command, the Naval Education and Training domain commands, and others involved with language and culture issues as they pertain to naval operations and training.

As a major contributor to language skills training in the Navy, CID was a logical host for the foundational meeting, according to Neighbors. "The command here at Corry Station has, for a long time, governed cryptologic language training within the U.S. Navy," he said. "Since the Information Warfare community that CID represents owns the preponderance of foreign language skill within the Navy, it made sense to come to this site to bring in the major language stakeholders."

CID commanding officer Capt. Kevin R. Hooley added that CID's involvement in the Defense Language Transformation has recently taken on a new dimension with the establishment of the Navy's Center for Language, Regional Expertise, and Culture in the CID command structure at Corry Station.

"This is an extremely important, multi-faceted mission we have assumed at CID," said Hooley. "Our Navy has global reach through our ships, aircraft and weapons systems, and our foreign language and regional and cultural training initiatives will enhance the global capability of our personnel."

Neighbors anticipates the NLAP will continue to meet every six months for the next 18 months to two years, until the policies are approved and integrated throughout the Navy. The next meeting is scheduled to be held in Norfolk, VA. ∝

IT "A" School

IT1 Charles Kooncce assists IT "A" school students in the new Virtual Radio Room at CID Corry Station

Story and photo by Darlene Goodwin CID Corry Station PAO

The Center for Information Dominance convened the first Information System Technician "A" School class at its Corry Station Learning Site recently, as part of a course transition from CID's Great Lakes, IL, Learning Site.

According to CID commanding officer, CAPT Kevin R. Hooley, the move will bring an additional 1,500 students per year to Corry Station, which is more than simply a change of venue.

"The collocation of the Information Systems Technician training with the Cryptologic Technician "A" schools at CID Corry Station ensures synergy in training the key attributes of Information Dominance -- exploit, attack, operate and defend -- making us a better prepared and more capable force," said Hooley. "The project included a complete courseware revision that optimally aligns the training with current fleet and type commander requirements, and incorporates it into the Navy's Integrated Learning Environment."

The closure of CID's Great Lakes "A" School facility also resulted in savings for the Navy.

"We've replaced the technical training equipment with Virtual Radio Room simulation, which is much more cost-effective to maintain, while allowing dynamic update of the systems trained," said Hooley.

Twenty-four staff members were brought in to administer and teach the course, many of whom had served as instructors at Great Lakes.

"The outstanding initiative and expert technical knowledge of the IT instructors has had a tremendous impact in preparing the curriculum and setting up the new electronic classrooms," said CTMCM Harold O'Connell, project manager for the relocation. "I contribute the expediency of the move -- going from plan to execution in 12 months at half the expected cost -- to a total team effort between the CID Learning Sites, the Naval Personnel Development Command and the Navy Personnel Command."

The end result, according to Hooley, positively impacts CID's primary mission of providing trained Sailors to the fleet.

"This training further enhances our ability to produce the very best trained Sailors/Warriors ready for any tasking in support of the Naval Network Warfare Command and NETWARCOM's FORCEnet Enterprise," concluded Hooley. ✂

TRITON

GEOGRAPHIC INFORMATION INTEGRATION V 1.0

TRITON ₀.₁ₖ

GEOGRAPHIC INFORMATION INTE

main | map |

map

tool status: pan

:: active layer: World Political Boundary (ESRI)

REFRESH | RESET EXTENT | ZOOM IN | ZOOM OUT | PAN | ZOOM LAST | MEASURE | FIND | IDENTIFY | SELECT AREA | BUFFER | CLEAR | IMAGERY | WEATHER | FLIGHT TEST

layers
areas of interest
external data
library
tracks

◉ **TRITON Basemap**
(layers :: legend :: map :: zoom)

⊟ BACKGROUND

U.S. Railroad (ORNG)

U.S. Primary/Major Highway (NAVTECH)

U.S. Secondary/Minor Highway (NAVTECH)

U.S. Road Network (NAVTECH)

CAPITAL City

U.S. Cities (Regional)

U.S. City (Local)

U.S. County Boundary (GDT)

U.S. Military Installation (DPO-MA)

World Political Boundary Line (NGA VMAP0)

☐ World Political Boundary Line (NGA VMAP0) 🔍 ▤

World Coastline (NGA VMAP0)

U.S. Water Polygon (GDT)

World Inland Water Body (NGA VMAP0)

U.S. Urban Area (HSIP Gold)

World Political Boundary

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MISSION ASSURANCE DIVISION

Internet Map Service

. . . providing reliable data to warfighters

By MCC(SW/AW) Joseph W. Gunder
Illustrations by Michael J. Morris

A new web-based information sharing tool was recently brought on line that's able to cross long-held boundaries to put critical data in one place, where it can be accessed by everyone who needs information.

It's an unclassified Internet Map Service called Triton. The name comes from a Greek sea god, but the service was born from hurricane relief efforts. Triton's main purpose is to provide a common operational picture from sources that traditionally haven't talked to one another, such as a local sheriff's office and Navy ships off the coast. The IMS can display information from databases inside or outside the military, or from federal, state, and local sources.

The most important aspect of Triton is that it displays data on a map, instead of something looking like a spreadsheet with lots of numbers.

Triton hosts all this disparate data on a site that initially looks like a picture of Earth from space, similar to global mapping programs such as Google Earth. The user can choose from selected areas in the United States, and zoom in on, say, the Florida peninsula and import all kinds of data. A user could overlay a satellite picture from the National Weather Service, or even natural fire hazards from the U.S. Geological Survey.

"It has built-in search capabilities to see what other data exists, and it lays it over top," said Chad Vance, program manger for Triton at the Naval Surface Warfare Center, Dahlgren division, in Dahlgren, VA, which is under the Naval Sea Systems Command. "We're also building tools that can find geospatial information on web through keyword searches," he added.

The mapping service also offers an internal chat capability so anyone on Triton can collaborate with anyone else without requiring access to an e-mail server.

"It has built-in search capabilities to see what other data exists, and it lays it over top."

"But decision-planning is one of Triton's strongest capabilities. We're seeing a huge need for Defense Department support for civil authorities," said Vance.

The need to help local authorities after Hurricane Katrina and Rita is what gave rise to what would later become the unclassified version of Triton.

"After Hurricane Katrina, a local agency in charge of debris removal was conducting an inventory of places where debris had landed," Vance recalled "They were putting everything in an Access database. We knew we could do it better, so we offered up to set up a map service. Other agencies needed access to aftermath imagery of impacted areas, so we added those, too."

"NORTHCOM (U.S. Northern Command) uses Triton," said Vance. "Second Fleet uses Triton to support hurricane and natural disaster response. Triton has a whole family of capabilities based on user's requests."

TRITON

One significant capability is common access card log-on, but non-DoD users are given a username a password to log-on. "We also have extensive security in place to make sure we have the right access for the authorized users," Vance said.

"When dealing with combatant commands and other military services, the real problem is installing software on computers while on an operation or evolution."

Most military network systems have built-in features that prohibit the downloading of executable files. This could be an issue if one service's network won't run the programs of another's, and there's no system administrator readily available to override its security features.

"But with Triton, you only need a web browser. No plug-ins required," Vance noted. "And because Internet Explorer is standard on almost every computer, Triton works from a wireless card, hotel, it even worked from USS Bonhomme Richard (LHD 6) when it was underway during Trident Warrior '06. The application provides a lot of flexibility as to where we can use it."

Vance said that Triton queries data from various web sources, depending on what the information is needed for. The data is integrated into Triton's database, as opposed to being displayed as hyperlinks to other Web sites. In many cases, the data comes encoded with geographic projection information, so when it's added to existing Triton data, it's placed and oriented correctly on the map service. So a storm over Houston, on an NOAA image fits right over the Houston area on Triton's map image of Texas.

"Triton has the ability to pull data from several near real-time data sources," said Vance. "It can pull other global information systems data from all over the United States, plus it has the ability to pull real-time feeds from ships via AIS." AIS (Automatic Identification System) is a shipboard broadcast system used by the Navy and Coast Guard that acts like a transponder and provides users with real-time data from other ships, such as vessel name, course, speed, point of closest approach.

Using data provided by AIS on Triton, users can click on the "tracks" tab and zoom in on any navigable waterway in or around the United States and see, near real-time, what vessel is going where and how fast. The tracks window also allows users to filter out unwanted data by highlighting just those targets that, for example, are in motion, by distance from the mainland or high-value target, or even location.

"Triton provided reliable situational awareness data ... so everyone was viewing common data in a user-defined operational picture."

"Triton provided reliable situational awareness data across DoD, federal, state and local agencies so everyone was viewing common data in a user-defined operational picture," said CDR Tony Parrillo, director of Trident Warrior '06. "The relationships established during Trident Warrior '06's Defense Support to Civil Authority scenario assisted in seamless exchange of data, allowing for shared understanding of the event at all levels."

That scenario involved tracking a "suspect" vessel as it approached and pulled into San Diego harbor. Using Triton, different agencies were able to monitor the experiment scenario from start to finish.

Users shouldn't try just yet to use Triton to zoom in on the Vatican in Rome. Currently, Triton's scope only covers the United States, including Hawaii. Vance said that future plans include expanding the site's capability to operate on a world-wide basis. world-wide basis. ✑

CENTRIXS enhances Communication Between Navies

By MC1 Brian Brannon, Task Force 73 PAO

SURABAYA, Indonesia (NNS) -- A secure, real-time communications system provided vastly increased interoperability between the U.S. and Indonesian navies recently during the Indonesia phase of Cooperation Afloat Readiness and Training.

The Combined Enterprise Regional Information Exchange System allows instantaneous ship-to-ship and ship-to-shore communication and document exchange in a chat-based Web environment.

"One of the objectives of CARAT is coordination," said CDR Greg Stephens, commander, Logistics Group Western Pacific/ Commander, Task Force (CTF) 73's Navy Reserve Detachment 610 in San Antonio. "One of the best ways to facilitate coordination is to make sure we have communications, and that's where CENTRIXS comes in." Stephens served as a liaison officer in Indonesia.

The advantages of secure text-based messaging over traditional forms of naval communications such as radio, flashing light and semaphore is enormous. Written exchanges eliminate translation errors across language barriers and allow the information to be printed out for distribution and subsequent reference.

During the Indonesia phase of CARAT, a portable CENTRIXS system was installed aboard the Indonesian navy frigate KRI Karel Satsuitbun. The system consisted of a laptop computer, an Iridium satellite phone, and a small antenna mounted to a mast. Signals were transmitted via satellite and the Pacific Region Network Operations Center (PRNOC) and rebroadcast to the other CENTRIXS users, including U.S. Navy CARAT Task Group ships USS Tortuga (LSD 46), USS Crommelin (FFG 37) and

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"It's pretty much like any instant messenger service, like Yahoo or MSN."

USCGC Sherman (WHEC 720) during the Indonesia phase.

A larger system was installed ashore at the CARAT Indonesia headquarters site. This system consisted of a 250-pound rack-mounted electronics suite, two laptop computers, and a portable International Mobile Satellite Organization terminal to ensure connectivity.

IT2 Edward Tovar of CTF 73 stood watch on the CENTRIXS system at the headquarters site in the Action Speed Tactical Training building at the Indonesian Navy's Eastern Fleet Command base in Surabaya. He said the system was robust and easy to operate.

"Just as long as we keep a constant ping, we know we're up

on the link," Tovar said. "It's pretty much like any instant messenger service, like Yahoo or MSN."

The ability to directly communicate the positions and status of cooperative warships and initiate maneuvers allows exercise participants a high degree of situational awareness while increasing operational clarity and safety for all involved.

The system was used extensively throughout a five-day at-sea phase of CARAT Indonesia.

LCDR Muhammad Ali, an Indonesian navy operations officer in the CARAT headquarters, said he was impressed with the capabilities of CENTRIXS.

"It's very good. It's real-time. It's very quick to have reports from ship-to-shore and also shore-to-ship, and we can chat just like text messaging on a cell phone," Ali said.

CARAT is an annual series of bilateral maritime training exercises between the United States and six Southeast Asia nations designed to build relationships and enhance the operational readiness of the participating forces. Indonesia was the third phase of the summer-long exercise series.

Previous phases of CARAT 2006 have taken place in Singapore and Thailand. The series will continue with exercises in Brunei, Malaysia, and the Philippines. ∞

Stennis increases Network Intrusion Detection, Prevention Capabilities

By MC1(SW/AW) Chris Fowler, USS John C. Stennis PAO

BREMERTON, WA-- Sailors aboard USS John C. Stennis (CVN 74) are increasing the ship's ability to defend against cyber attacks, including intrusions from service members, other governments or groups of hackers seeking to exploit vulnerabilities in the ship's computer network.

According to IT1 Rick Rivera, Stennis' information assurance manager, Stennis is focusing on detecting and preventing three basic types of cyber threats: physical intrusion, system intrusion and remote intrusion.

Physical intrusion requires physical access to a machine, such as using a keyboard or taking apart a system. System intrusion is a type of hacking used when the intruder already has a low-privilege user account on the system, and uses the account as a "foot in the door" to attempt to gain additional administrative privileges. Remote intrusion involves hacking a system remotely across a network.

"We are currently using an assortment of tools to ensure the integrity of all the information both entering and leaving the network," said Rivera. "We are constantly updating our security patches, checking for weak passwords (cracking a weak password is the most common method of access for intrusion), and training Sailors to be aware of social engineering and the proper handling of information."

According to ITCS Cindi Chambliss, leading chief petty officer for combat systems department's CS2 division, once an intruder has gained access to a system, they may attack your external presence (deface web servers, forward spam through e-mail servers, etc.).

"An intruder might also attempt to go around the firewall to attack machines on the internal network and launch a 'denial of service attack,' which could allow an adversary to attack our systems and degrade our capabilities rather than engage our troops directly," said Chambliss.

Whatever direction the technology and sophistication of cyber threats may take, the fact that the Navy is becoming more interconnected means that its systems and digital networks will become increasingly desirable targets for cyber warfare. ◖◗

NETWARCOM Sailors Stand Tall at Banquet

Former Sailors of the Year set standards of excellence prior to Chief selection

By George D. Bieber

"Ask the Chief," a phrase which has rung out throughout the Navy since 1893, has had a very special meaning for two of Naval Network Warfare Command's Sailors of the Year. For CTTC(SW) Jason T. McDonald and CTRC(SW/SG) Anthony L. Spiller, the memories of their selection as SOYs are now just that, memories as both were recently selected and frocked to the rank of chief petty officer.

"My command nominated me last December as SOY and before I knew it, I was standing shoulder-to-shoulder with Sailors from commands around the Navy at the 2005 Fleet Forces Command SOY banquet," remarked McDonald. "I wasn't expecting this honor for doing my job and I just felt lucky to be there."

Spiller expressed similar feelings based on advice given to him throughout his career to "stay true to oneself and take care of one another." "I was thinking to myself that our ratings are no longer looked upon as being in operational support of others," said the fitness enthusiast. "'Cause there we were (Mac and I) standing alongside them as equals."

According to VADM James D. McArthur Jr., NETWARCOM's commander, the selection of McDonald and Spiller as SOYs became symbolic, in that the event officially recognized NETWARCOM Sailors as leaders and war fighters in a new domain of the battle space.

Both Sailors were encouraged by their previous commands and supported every step of the way, right up to their award presentations. Career highlights from being his command's leading petty

Newly-promoted CTRC(SW/SG) Anthony L. Spiller works out at the base gym on Lackland AFB, San Antonio. (Official U.S. Navy Photo)

CTTC(SW) Jason T. McDonald poses for a snapshot on his Harley-Davidson in front of the Normandy American Cemetery and Memorial during a European road trip. (Photo by SFC David Steele)

officer, to his handling of collateral duties as the command's TAD (budget) coordinator, Urinalysis Program coordinator, fitness leader and volunteer to wounded service members at Landstuhl Regional Medical Center, Germany, were just a few of McDonald's noteworthy achievements.

A native Californian, Spiller shined as well as a leading petty officer, with additional strengths in collateral duties and as a community volunteer for Meals-On-Wheels program. "I have been privileged in my 14-plus years in the Navy to have been surrounded by so many excellent mentors," stated the father of four. "Without them setting the example and giving good, strong advice, who knows where I'd be today."

McDonald completed training at the Navy's Recruit Training Command Great Lakes, IL, in July 1993, about 11/2 years after Spiller. However, the 6-foot-4 inch native of the "Show Me" state stepped up to the plate after "A" School in Pensacola and deployed on the USS Mount Vernon (LSD 39), USS Ingersol (DD 990) and the USS Lake Erie (CG 70) prior to serving at joint commands in Stuttgart, Germany and now at U.S. Southern Command, Miami.

Spiller completed his training at Orlando's RTC only to attend "A" School in Pensacola and begin a whirlwind of duty stations from Rota, Spain;

to Hawaii, Houston, and Bahrain, to his present command at Lackland AFB, San Antonio; at least until January when the self-declared video-game enthusiast is due to report to NIOC Georgia at Ft. Gordon, GA.

"My senior chief from my last command, Joseph Beierly, was awesome and cared about people," stressed the green-eyed McDonald. "He gave me the freedom to lead and learn, while supporting me. He is the epitome of a chief petty officer and I hope he can make the trip from Europe to Miami for my promotion."

Mentors have also been a key to Spiller's success. "Again, I want to emphasize how fortunate I have been throughout my brief career," said Spiller. "If not for two master chiefs, Meondra Kendley in Hawaii and Ron Stevenson now in Misawa, Japan, I may have ended up being happy where I was, instead of where I'm going. Neither one would let me quit and both stressed being the best you can be, while remembering to take care of our Sailors."

Even though distance has separated these two Sailors throughout their careers, one only needs to step back and see how they have mirrored each other. Neither one has ever settled for being "second best." And both have been strongly supported by their wives, Beth McDonald and Tomitra Spiller, as well as their children. ∞

NETWARCOM'S
KNOWLEDGE MANAGEMENT TEAM

By George D. Bieber
Photo illustrations by Michael J. Morris

Today's global climate has forced U.S. and coalition commanders to require the timeliest and most reliable information is available to ensure all their resources are in the right place at the right time.

Knowledge Management is the integration of people and processes, enabled by technology, to facilitate the exchange of operationally relevant information and expertise to increase organizational performance.

"KM provides today's commanders not only with the means of information sharing, but also the knowledge and understanding of everyone else's job to successfully support the war fighters through mission completion," said CDR John Hearne, NETWARCOM's Special Assistant for KM. "We're striving to foster an environment of collaboration required to plan and respond to current and future threats, while ensuring the fleet has reach-back capability."

According to Hearne, commanders implement KM differently dependent upon their mission requirements and situations. "Knowledge Management can be applied either strategically or tactically, internally or externally, depending on the requirement."

As a "hybrid" type commander, NETWARCOM's commander, VADM James D. McArthur Jr., is responsible for organizing, training, and equipping the fleet in terms of Information Operations, Networks and Space requirements. Additionally,

he is serving as an operational commander while operating, defending and fighting the Navy's networks. One of the key challenges for KM at NETWARCOM is to support all the admiral's roles.

McArthur assumed the duties and responsibilities for global C4I

> *"Knowledge Management can be applied either strategically or tactically . . . depending on the requirement."*

and naval networks in March 2004 and has seen the command double in size and responsibility. During 2004, Chips magazine interviewed McArthur, where he addressed goals in designing and implementing network architecture (FORCEnet) which would acquire, share and capitalize on information superiority to generate transformational combat effectiveness beginning next year through 2014. To support the goal of FORCEnet, the Navy and NETWARCOM will have to update their business process and enabling applications from Program of Records applications,
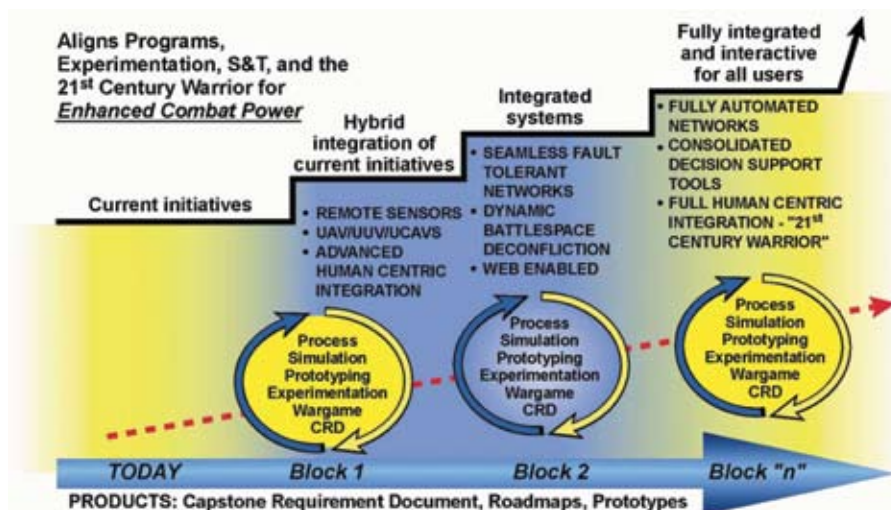
to service oriented architecture, and web services with authoritative databases. This movement fully supports the goal of FORCEnet practices.

This would evolve through KM support into web-enabled integrated systems that feature seamless, fault tolerant network and dynamic battle space deconfliction, according to Hearne. "From 2001-2003 the Navy piloted an effort for Web-enabling applications and to reduce legacy applications and networks through a Chief of Naval Operations special task force called Task Force Web," said Hearne. "It was the first time the Navy had published service-oriented architecture and software standards. The movement towards open standards, SOA and legacy application and network reduction is being carried out today."

Hearne believes the real KM challenge at NETWARCOM is getting the NetOps, Information Operations and Space Center's (NIOSC) four cells: Navy Cyber Defense Operations Command, Navy Information Operations Command Norfolk, Global Network Operations and Space Center, and Space to create unified processes which would allow the coordinated flow of information to the newly established battle watch captain position. The BWC would in turn provide timely and relevant information to the Director of Operations, CAPT Janice Hamby.

To assist in the NIOSC command center,

Aligns Programs, Experimentation, S&T, and the 21st Century Warrior for *Enhanced Combat Power*

PRODUCTS: Capstone Requirement Document, Roadmaps, Prototypes

NETWARCOM's KM team has employed Space and Naval Warfare Systems Center San Diego's User Center Design Team to map information flows and processes within the NIOSC.

"The goal is to build a situational awareness system which optimizes the four cells' efforts and update NETWARCOM's commander, his superiors, subordinates and the fleet with a real-time Web-enabled presentation," said Hearne.

The groundwork has been completed, and the next phase of the project is to bring the SSC San Diego team back to Virginia to work with Hearne's direct assistant, LT Lee Woods. Woods will oversee the IO, NCDOC, GNOSC and Space team as they work through several scenarios, test new software and look into the possible uses of a digital blackboard, or the digital dashboard to obtain the right human-system interface to create a collaborative information environment and situational awareness tool.

"Imagine, an integrated and interactive system for all users, to include fully-automated networks, consolidated decision support tools, and full human-centric integration of the 21st Century warrior," remarked Woods. "Once this form of assistance exists, the commander and staff will be able to consolidate the existing multiple paths of information into a single integrated universal "virtual" database from which users can create their own picture of the battle space."

A veteran of numerous exercises, projects, case studies and workshops, Hearne believes these standards must be achieved within the three networks (NMCI for stateside commands, ONE-Net for ashore commands in Europe, the Middle and Far East; and IT-21 for afloat units) or within other portals provided by NMCI or Defense Knowledge Online. He sees a data-driven environment for the Navy's future as opposed to the current document-driven force.

"We need to take advantage of the hardware and software the Navy has purchased in order to support the warfighters, no matter where they're located, and provide them with the most up-to-the-minute information possible," said Hearne, a Master Certified Knowledge Management Professional.

During a recent sea trial event, Trident Warrior '06, additional avenues of KM were introduced into the mix of defense support

"We need to take advantage of the hardware and software . . . in order to support the warfighters . . ."

to civil authorities. For example, the Navy needed to improve knowledge flow, or the passing of actionable information between participants in organizations, definition, description or employment of (explicit) knowledge inventory in performance of work-tasks.

To meet this requirement, the Navy provided proven interoperable communications and exchanged ideas, messages and information, on a near real-time basis with interagency, regional, and local emergency first responders in San Diego.

"It's through sea trial events, exercises, and experiments such as Trident Warrior, Valiant Shield, Terminal Fury and Strong Angel that we are able to apply KM discipline to guide the information and knowledge process with the ultimate goal of helping deliver mission effects," emphasized Hearne.

An ideal situation for the KM process would have each major command in the Navy manned with a KM expert to assist their commands as well as contribute to the entire fleet. "There are so many good ideas and initiatives out there," added Hearne, "commands are moving from desktop applications to a more data-driven environment. And NETWARCOM is striving to build a premier command center with electronic blackboards that are accessible to all of NETWARCOM's subordinate commands that need our products 24/7."

"The ultimate purpose of NETWARCOM's KM team is to meet the admiral's 2015-2020 projection, which has FORCEnet providing information that enables knowledge-based operations and delivers greater power, protection and operational independence than ever before possible to joint force commanders," concluded Hearne. "In the end, what it all comes down to is -- the more commanders, individuals, weapons and sensors that are linked together in a network, the better the situation for the warfighter, and that's really who it's all about." ❧

KM Levels

More than a year ago the Knowledge Management Professional Society (KMPro), expanded its Knowledge Management (KM) certification program and NETWARCOM's CDR John Hearne became one of only a limited number of Master Certified Knowledge Management Professionals in the world. Now that there are three levels of KM certification by KMPro, not only are there more opportunities for companies to educate their staff on KM, but more chances for Navy information professionals as well. For more information on the KM program go to www.kmpro.org.

Certified Knowledge Manager (CKM):

A Certified Knowledge Manager must attend a vendor provided workshop which has been approved and sponsored by KMPro. All candidates for CKM certification must commit to KMPro's Code of Ethics. In the near future KMPro anticipates offering additional certifications as additional vendors and offerings are approved.

Certified Knowledge Management Professional (CKMP):

This certification builds upon KMPro's CKM certification and ensures candidates demonstrate successful practical application of a knowledge management implementation project. Additionally each candidate must provide documentation related to a KM project that they have completed and a qualified credentialing committee reviewer will review and determine if all requirements have been met. Again, all candidates must commit to the KMPro's Code of Ethics.

Master Certified Knowledge Management Professional (MKMP):

In addition to the requirements for the CKMP, candidates must meet work experience eligibility requirements. The eligibility requirements include a minimum of three years of documented experience in the field of knowledge management, and candidates must provide a detailed description of work performed in multiple KM projects with attestations from internal/external clients or supervisors. Again, a qualified credentialing committee reviewer will review all the documentation received from a candidate to determine if all requirements have been met and to ensure that the documented work is commensurate with a "master" level of expertise in KM. Once certified, MKMPs must apply for re-certification every three years to maintain the MKMP designation. And last, but not least, all candidates must continue to commit to KMPro's Code of Ethics. ❧

Naval NETWAR FORCEnet Enterprise

NNFE

Adding Relevance to Future Warfare Capability

By MC2(SW) Jennifer M. Zingalie

Faster, better decisions; a robustly networked force, and advanced equipment at a lower cost all describe the ability of the NETWAR/FORCEnet Enterprise (NNFE).

Today, galactic battlefields and virtual warriors are no longer fictional things in Hollywood movies; they are the future of warfare.

NNFE is the pathway to which these cutting edge events will happen by providing weapons, systems and platforms which give a technological edge over adversaries. The over-arching idea of NNFE is increasing the "Speed to Market" and decreasing the readiness costs of FORCEnet products. This is a collaborative effort among NETWARCOM, SPAWAR, PEO C4I, NAVSEA, OPNAV and other commands that provide C4I and IO support to the Fleet.

The Chief Executive Officer is Commander, Naval Network Warfare Command, VADM James D. McArthur Jr. He leads the NNFE Board of Directors. Aside from McArthur, other members of the NNFE board of directors include RADM Michael Bachmann, Space and Naval Warfare Systems Command as Chief Operation Officer; and RDML Kenneth Deutsch, OPNAV N6F as Chief Financial Officer. The board meets monthly to assess the Enterprise in a teaming approach, with a drumbeat weekly telcon to assess near-term requirements and decisions for the NNFE.

Ultimately, FORCEnet provides cutting edge technology, integrating warriors, sensors, networks, command and control platforms, and weapons -- over a vast spectrum of sea, shore and space. The Enterprise is currently focusing on C4I systems and appropriate business IT solutions. It is working to determine how best to integrate these systems quickly, in support of naval warfighting forces both deployed and ashore.

The NNFE has Four Cross Functional Teams: Strategic Planning, Warfighter/Customer Assurance, Provider Modernization and Life Support, and Financial/Funding. These teams are lead by designated members and have also created sub-teams, designated as action teams and barrier removal teams.

There are additional teams which serve to evaluate and measure products that will be sent to the fleet, as well as market its strategies. Another team led by CAPT Janice Hamby has been set up to analyze the workforce and develop training across the fleet.

Within NNFE, interoperability and configuration management is essential for Naval command and control systems, all the way down to the warfighter. Currently the NNFE is partnering with commander, 2nd Fleet, in developing the maritime headquarters (MHQ) concept. These are navy-operational commands that can be designated as a Navy service component, joint force maritime component or joint task force (similar to the set up during Hurricane Katrina).

MHQ's would potentially focus on fleet management or operations related functions. They would carry out critical operations or fleet management through the use of a maritime operations centers (MOC). A MOC can be scaled to fit any mission, is operations oriented, and will be filled with service members (including joint
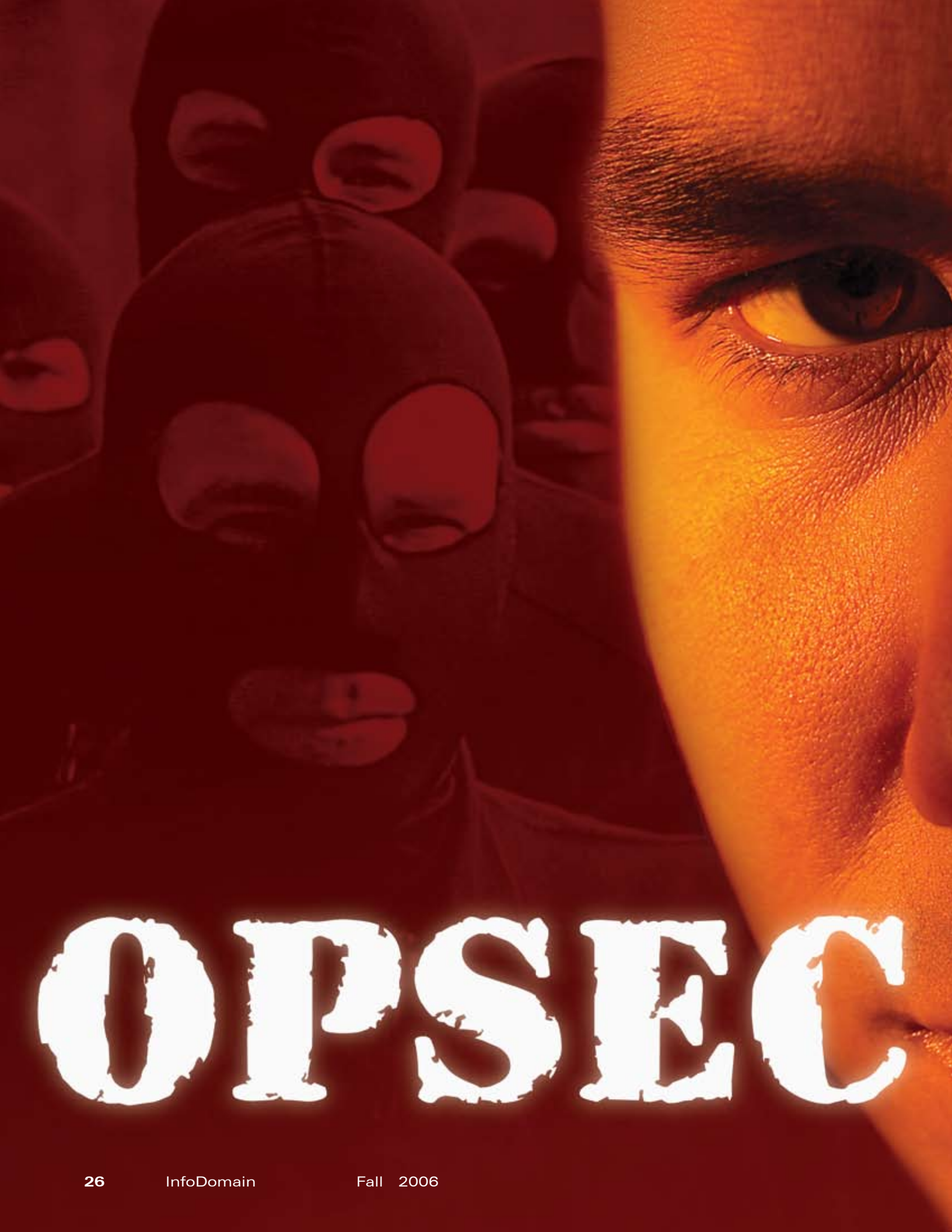
OPSEC

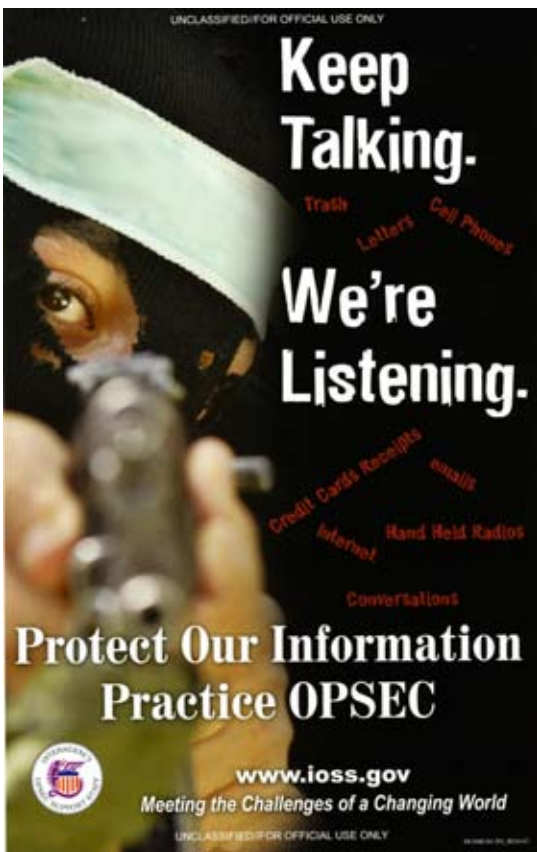# *Challenges in Today's*
Environment

By MC2(SW) Christopher J. Koons
Photo illustration by Michael J. Morris

Recently over 200 sailors, solders, airman, contractors and government employees gathered at the Drexler Conference Center aboard Naval Amphibious Base Little Creek, Norfolk, VA, to reiterate Operations Security's guiding principles, best business practices and adversary threat methodologies. The forum lasted three full days and covered an array of subject matter, most of which was unknown to those in attendance.

"We've been trying to get the word out on OPSEC, but a lot of people can't get to our national conference … so we're augmenting it with smaller, local forums such as this one," said Marty Quick, director, interagency OPSEC support staff. "There's new DoD policy which has been pushing OPSEC to the forefront and it's our intent to educate and make people aware of OPSEC."

According to Quick, it is the OPSEC team's intent to protect U.S. critical information. "We want to make ourselves (the American people) a hard target for adversaries to strike."

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Meeting the Challenges of a Changing World

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OPSEC during past wars has always been one of the nation's top priorities. However, few people stop and think about the accumulation of one or more elements of sensitive/unclassified information or data, let alone how damaging this information could be to national security, fellow service members, their units and possibly, entire commands.

One of the first slides in the forum highlighted the fact that OPSEC practices could be traced back to the

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"Awareness of what's going on around you is the key. . ."

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colonial days and the Revolutionary War. George Washington was a known OPSEC practitioner. The general was quoted as saying, "Even minutiae should have a place in our collection, for things of seemingly trifling nature, when enjoined with others of a more serious cast may lead to valuable conclusion."

OPSEC analyst Christine Mayes immediately jumped into her portion of the briefing, focusing on blogs or web logs, one of the most popular forums on the Internet today. "Islamic Jihads have used blogs to promote violence against U.S. troops in Iraq," Mayes said. "Unfortunately, we have military members who also blog. They're called Milbloggers and they are increasingly using blogs as personal journals posted on public Web sites."

She went on to point out that terrorists regularly obtain vital information through blogs, and linked photos can compromise security. "Anything from weapons deficiencies to personal information on military members can be obtained through blogs."

Mayes reminded servicemembers to be good sailors, soldiers and airmen just as DoD expects, not good bloggers. "Basic guidance is this," said Mayes, "watch what you blog and remember, personal blogs may not be created during normal duty hours and may not disclose classified information."

Other briefers provided the audience with examples of information being obtained from electronic gaming via USB connections, etc., as well as PSP wireless units. Memory cards up to 8GB or more can be hidden in an Altoids container or an Imation Flash wristband. Mayes pointed out that there are even sites on the Internet such as Password Crackers, Inc. which provides hackers, crackers, script kiddies and cyber-punks with all the necessary "stuff" to obtain what was once thought to be "secure information."

WE'RE NOT THE ONLY ONES

LISTENING
WATCHING
LEARNING

LCDR Daryl Haegley, NIOC Norfolk's OPSEC officer and OIC of the Navy OPSEC support team, sought to demystify OPSEC assessments at work and at home for the attendees. "The process of conducting an assessment is as simple as following the 5 steps of the OPSEC process: First identify information you need to protect. Second understand adversary intent and capabilities. Third assess your vulnerabilities and fourth the risk of adversary exploitation. The fifth step is to develop and implement solutions to mitigate potential vulnerabilities," said Haegley. "Organizations should do this regularly to determine their ability to thwart adversary intelligence. Same goes for our homes, we need to know how well we're protected against burglars. Justification: A burglary occurs every 32 seconds in the US."

Haegley listed several types of open source discoveries such as dumpster diving, testing physical security, observing routines, monitoring publicly accessible web sites, communications and wired as well as wireless networks to name a few. "Awareness of the adversary's perspective is key," Haegley said. "Take the time to review your processes and procedures. Make yourself a hard target by changing the ease of access to your information."

Linda Heaton, the forum's coordinator, went on to add that trained family members are OPSEC's best protection. "Loose Lips may Sink Ships," remarked Heaton as she word-played a popular WWII poster. "Our OPSEC team extends beyond our work locations to our spouses, children, relatives and neighbors."

"Advice for OPSEC also extends into identity theft protection," added Heaton. She reminded everyone about trash can divers looking for bills with personal information, checks with signatures, chat rooms on the home PC, a family member being listed on MySpace.com, and that simply locking things in one's safe or using a shredder pays for itself in the end.

"Remember that OPSEC often provides low-cost solutions to high-tech vulnerabilities," said Haegley. "OPSEC should be practiced daily whether at work or at home, this includes one's "word choice" for personalized license plates on you car or truck." For more information on OPSEC and how to advance your OPSEC program go to www.nioc-norfolk.navy.mil/operations/OPSEC.

To coin a popular cliché "What happens in Vegas, stays in Vegas" is just as applicable to military members, their families and Americans in general when it comes to protecting information in our everyday conversations, e-mails and other forms of communication. In other words "What's said at work or home, stays there."

"Anything from weapons deficiencies to personal information on military members can be obtained through blogs."

NCTAMS PAC Sailors
clean up Whitmore Avenue

Story and photos by ITCS(SW)
Darin Long, NCTAMS PAC

Recently, Sailors from Naval Computer and Telecommunications Area Master Station, Pacific gathered in the early morning in front of the command's main gate to "adopt" their stretch of Whitmore Avenue, which spans more than two miles.

The volunteers gathered as they received instructions from the Command Master Chief(SW/AW) Michael Dollen. "Safety is our main concern, so be safe out there," he said as he inspected everyone to make sure they had on reflective vests. The 32 volunteers were divided into three groups working towards each other and finally meeting near the Whitmore Community Center, located approximately a mile from the front gate.

"I'm glad I volunteered for this, not only am I doing my part for the good of the community, it is also so much fun," said IT1(SW) Allison Dehner as she showed off a shoe she picked up from the side of the road.

Many of the volunteers were first-timers, but promised to return if given another opportunity. ITSN Christina Crawford joined the Navy about a year ago and enjoyed being out of her workplace and giving to the community. "I really like it

NCTAMS PAC Sailors pick up debris left alongside Whitmore Avenue during the Adopt-a-Highway day.

because I am able to mingle with other Sailors and at the same time take care of the community and the command," said Crawford.

SK1 Christina Breeden, who has been coordinating the Adopt-a-Highway project for the past month, was also out helping and made sure safety aspects were taken into consideration. "NCTAMS PAC has been involved in Adopt-a-Highway for several years now and it's always great to see the volunteer effort."

"There is a definite sense of satisfaction volunteering for something like this because it keeps Hawaii beautiful," said YN2(SW) Randy Agustin. "I grew up here and Hawaii is my

Ohana, I like to take care of it."

As the day neared its end, UT1(SCW) Shane Ouimette, Self-Help LPO, reported that the total trash collected overfilled NCTAMS stake truck. The list of trash collected included; three engine blocks, a pig carcass, five tires, two broken windshields, 10 inches of guard rail, seven feet of chicken wire, a car clutch assembly, 250 pounds of paper trash, one refrigerator, one table, a radiator, a chair and 50 feet of corrugated roofing. Whitmore Village Community was very grateful as well. Many of the residents honked their horns and gave the "Shaka" sign of appreciation as they passed by. ∞

Richard Racette, and BM3 Daniel Bucio (a Reservist from Salt Lake City) began a project to restore and preserve the bell housing.

Working on Saturdays over several months, they installed temporary flooring in the tower and began chipping and sanding away the heavy rust and corrosion from the housing. When it was obvious there was enough solid material left a special chemical was used that returned the remaining rust back into metal, and sealed it to prevent future rusting and corrosion.

NCTAMS PAC Sailors will continue to monitor the inside of the tower to ensure they stay ahead of Mother Nature and keep this treasure preserved for many years to come. ❧

CPOA RESTORES HALEIWA CHURCH BELL & TOWER

Story and photos by ITCS(SW) Darin Long, NCTAMS PAC

Lili'uokalani Protestant Church was founded by missionaries in the 1830s. It is fronted by a large, stone archway built in 1910 and covered with night-blooming cereus. In the steeple, there is a large brass bell that was donated to the church in the late 1800's. The sounds of the bell ringing can be heard every Sunday in the historical Hawaiian town of Haleiwa.

While making repairs to the rope used to ring the bell, a parishioner noticed that the bell housing was severely corroded and might be in danger of failing.

Sailors from Naval Computer and Telecommunications Area Master Station Pacific have helped the church in the past with general grounds maintenance and were called upon to see if there was anything that could be done to save this important piece of history.

The bell itself was found to be tarnished, but otherwise in great shape, however the bell housing was not faring as well in the harsh salty air. The NCTAMS PAC Chief Petty Officer's Association provided funding for the materials and a small group of Sailors from the base; Commanding Officer, CAPT Jim Donovan, ITCS(SW) Darin Long, UT1(SCW) Shane Ouimette, BM2(SW)
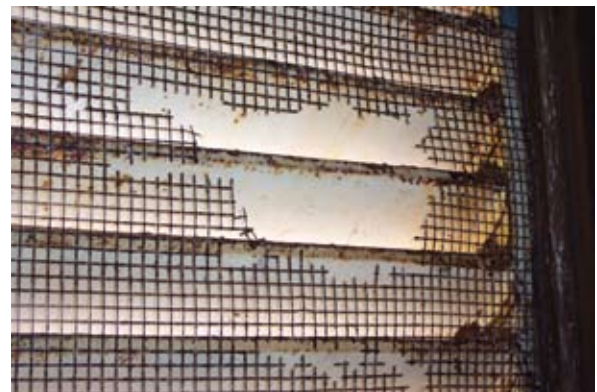
(Top) Hawaii's harsh salty air took its toll on the church-bell, but the CPOA restored and sealed it from Mother Nature. (Bottom) NCTAMS PAC's Sailors will continue to monitor the tower's interior to prevent further damage.

Navy COOL Web Site Launches as a Hub for Sailor Credentialing Information

Story and photo by Darlene Goodwin
CID Corry Station PAO

The Navy Credentialing Opportunities On-Line "Navy COOL" Web site was launched recently as a hub for comprehensive information to guide Sailors in pursuing occupational credentials related to their Navy work experience and training.

Navy COOL itemizes detailed information on occupational credentials -- including certifications, qualifications, licenses, apprenticeships and growth opportunities -- that correspond to every Navy rating, job and occupation, and outlines the paths to achieve them.

According to Capt. Kevin R. Hooley, commanding officer for the Center for Information Dominance, Corry Station, and Navy COOL project leader, the site is a top-rate Web-based tool that is another innovative blended training solution of the Revolution in Training.

"Navy COOL is for Sailors and it's all about professional development and Navy readiness," Hooley said. "It puts a vast amount of credentialing information from numerous

IT1(SW/AW) Danny Brooks (foreground) and IT1(SW) Joe Alaniz visit the Navy COOL web site.

federal, state and local sources at Sailors' fingertips and provides them a road map for earning occupational credentials to boost their knowledge, skills and abilities -- in the Navy and beyond."

Navy COOL hosts links to credentialing organizations and cross-references programs,

such as Tuition Assistance, Montgomery GI Bill, and the Defense Activity for Non-Traditional Education Support, that may help Sailors pay for credentialing fees. It also contains links to the United Services Military Apprenticeship Program and Web sites that provide information on college programs available to Sailors.

For Sailors with limited Internet access, such as those stationed on ships or at remote locations, a portable copy of Navy COOL has been developed. "COOL to Go" is downloadable from Navy COOL to a hard drive, compact disc or thumb drive. It offers the same information as Navy COOL, minus connectivity to external sites if used offline. With an internet connection, COOL to GO is identical to Navy COOL including links. Additionally, COOL to Go mini-CDs are being developed for distribution.

Navy COOL is being delivered in two phases. The Phase I launch of Navy COOL contains information for every Sailor in every rating. During Phase II, which is already in progress, the Navy Credentials Office is conducting a detailed comparison of the Job Task Analysis for each Navy rating with thousands of available occupational credentials.

Hooley said that may lead to additional funding options for Sailors pursuing credentials.

"As Phase II is completed over the next 14 months, the credentials that most closely relate to each Navy rating will be flagged on Navy COOL," said Hooley. "As these credentials are identified and the related policies are approved, we expect Navy funds to be made available, subject to budget constraints, to cover fees for these designated credentials."

In the future, specific credentialing information for naval officers and civilians will be added to Navy COOL, as associated JTAs are completed. Until then, officers and civilians can refer to the Web site for general credentialing information to help them pursue personal and career goals.

Sailor interest in Navy COOL appears to be high, given the statistics for the launch week and informal feedback via the Web site. Daily activity averaged 1,154 visits and 65,000 hits, with most visitors viewing about six pages over a 13-minute period.

RADM David A. Gove, commander, Naval Personnel Development Command and Navy Personnel Command, encourages all Sailors to visit Navy COOL.

"This is really a great product and we believe that Sailors who are provided the opportunity to enhance their professional development are not only better performers on the job, but these top performers are more likely to choose to continue their service in the Navy," said Gove. "We are striving to create and retain the most highly skilled workforce possible, and this key investment in the professional development of our workforce is a win-win for the Navy and the nation."

Visit Navy COOL at https://www.cool.navy.mil. For more information, refer to NAVADMIN 193/06 or contact the Navy Credentials Program Office via e-mail at crry_cqcredentials@navy.mil. ❈

INFORMATION ASSURANCE TIPS

"Phishing" as in fishing for personal information, is the act of sending an e-mail to a user falsely claiming to be a legitimate organization (usually a bank or financial institution). The e-mail is an attempt to scam the user into providing private/sensitive information that will be used for identity theft.

Financial institutions will never send an e-mail asking for personal/account information. If you receive one that looks legitimate, contact the company on the telephone rather than reply with your information.

Tips to avoid getting hooked:

- Do not reply or click on links in an e-mail or pop-up message that was unsolicited.
- Don't e-mail personal or financial information.
- Review credit card and bank account statements as soon as you receive them to determine whether or not there are any unauthorized charges.
- Use anti-virus software and keep it up to date (Symantec Anti-Virus Software is FREE to government personnel).
- Use e-mail filters to reduce some of this traffic.
- Be cautious about opening any attachment or downloading any files from e-mails you receive, regardless of who sent them.
- Report suspicious activity to your Command Information Assurance office.

NMCI's Homeport supports,
trains and services Customers

By NMCI PAO

Homeport, the source for all things NMCI, is evolving. The site, available at http://homeport brings the latest news, information and training targeted to all NMCI users and Contract Technical Representatives, Information Assurance Managers and Information Systems Security Managers. The portal's up to date information on NMCI is provided by program sources from the Navy, Marines Corps and prime vendor, Electronic Data Systems.

The Homeport site is updated as new services become available and policy and program changes occur. Recent features include instructions for cryptographic logon implementation, announcement of the new cellular wireless service, and NMCI customer satisfaction survey results.

"Homeport is a valuable asset to not only the NMCI user but to the CTRs who use it everyday," said Ms. Carol Dillon, Lead CTR for Naval Air Station Lemoore. "It provides one-stop shopping for up-to-date information about what is currently going on in the enterprise, CTR resources for POCs and monitoring of help desk and Move, Add, Change requests, and useful training and links to NMCI services as well as e-learning training for Microsoft products. Homeport is easily maneuvered and puts all the information at your fingertips on one site."

The redesigned site, launched earlier this year, brought new capabilities to NMCI users, such as accessibility from a non-NMCI computer by Navy, Marine Corps and EDS members through a secure logon process, and a keyword search for popular topics. Changes coming in the next few months include a revamped home page with easier access to popular content and an improved support section with a searchable repository of tips, guides and solutions to technical problems.

In addition to program news, Homeport offers resources for all NMCI users such as
- Support - Check system status and alerts and find quick links to helpful user resources
- Training - Tools for new and existing users, including New User Orientation and NMCI e-learning, which offers over 60 courses to help you maximize the efficiency of your NMCI computer
- CTR Resources - A one-stop shop for ordering information, Help Desk ticket lookup, and MAC requests
- Services - Listings of Contract Line Item Numbers so you can see what services are available on NMCI

The NMCI Program Office is streamlining and improving how it communicates with on-site individuals tasked in assisting users in day-to-day operations. These NMCI support members, known at CTRs, ACTRs, MCTOICs and STOICs, have been recently asked to update their contact information to provide the program office and the NMCI user with current accurate information.

Known as the CTR Contacts Database and hosted in the CTR Resources section of NMCI's Homeport, this repository has been updated to include the most current information on these support personnel. The database allows users to find their local person by searching in several different categories including command, last name and Unit Identification Code. It is imperative for support members, including CTRs, ACTRs, MCTOICs and STOICs, to verify contact information, if they have not already done so.

There are two ways to update your information in the CTR Contact List --
- Connect to Homeport and make the appropriate changes after logging in to the edit function by using the user name and password for the CTR Web Ticket Lookup. Additional instructions are contained within the CTR, Contacts Database User Guide on Homeport.
- Or, send the updates to your Echelon II CTR who will notify the appropriate Life Cycle Systems Management team members of the changes.

Searching and updating the CTR Contacts Databases is only possible from an NMCI seat. Questions concerning the CTR Contacts Database should be addressed to Stan Wichowski at stanley.wichowski@navy.mil. ❧

EDS provides Information Assurance Training on line

By EDS PAO

By now, NMCI users should be able to take advantage of the new NMCI e-learning Web site. The site provides a variety of educational courses, including examinations that will help users prepare for more than 50 IT certifications, thus allowing users to enhance their professional development.

Electronic Data Systems is required to provide NMCI users with at least eight hours per year of Information Assurance training and eight hours of standard hardware and software training to build knowledge and skills in using the NMCI network.

EDS implemented this new learning management system to track the hours offered and completed by the NMCI user.

The e-learning Web site offers several new and improved features, as well as links and shortcuts being easier to find. Users are able to make some alterations using the Customize option. By clicking Customize on the top toolbar, users can update their User Profiles, configure language settings, personalize their shortcuts and select a Business Skills Player Skin, which would change the color of a course.

Users also have access to electronic guides that are the equivalent to instructor-led student guides. They can follow learning paths to aid them in obtaining certifications in areas such as Comptia, Cisco, Microsoft, and CISSP.

Users also have the option to engage in Test Preps, which will simulate a certification testing environment. Furthermore, at the conclusion and completion of NMCI e-learning courses, users can print personalized certificates of completion.

The new NMCI e-learning Web site is accessible from http://homeport and will offer both Navy and Marine Corps members, "Solutions for Advancement." ◌

Asset Management: Missing, Lost, Stolen or Damaged (MLSD) Equipment

By NMCI PAO

Electronic Data Systems, the prime vendor for the Navy Marine Corps Intranet, has implemented a new policy and procedure for users to report missing, lost, stolen or damaged NMCI equipment, which is contractor owned – not government equipment.

The following are the steps that are to be taken:

• Notify the immediate supervisor and report the incident to the NMCI Help Desk.

• Obtain an MLSD ticket number from the Help Desk.

• Complete the "Report Missing, Lost, Stolen, Damaged Equipment" form, which replaces the DD Form 200. The MLSD equipment form and all other documentation associated with the incident will require the user to insert the Help Desk ticket number obtained earlier.

• Forward the completed form to the immediate supervisor, who will in turn provide the command's local Contract Technical Representative a copy.

• The CTR then forwards copies to the appropriate Contracting Officer Representative, Contractor Site Manager, and Contract Procuring Contracting Officer for further processing.

It should be noted that the local command investigation process of a missing, lost, stolen or damaged piece of equipment should be initiated, as it is not changed or affected by this new policy and process.

The new form and complete procedures can be found on Homeport within the CTR Resources section, scrolling towards the bottom of the list of options under "Missing, Lost, Stolen or Damaged (MLSD) equipment." The required MLSD form is downloadable from this site, as well as the U.S. Navy/Marine Corps MLSD Policy Advisory. ◌

Decorations and Special Recognition

NIOC NORFOLK

Joint Service Achievement Medal

CTN2 Bryce Mitchell

Navy and Marine Corps Achievement Medals

CTR2 Robyn Sekula
CTT1 Shawn Lewis
CTTC Robert Custer
CTTC Michael Springer

Flag Letters of Commendation

CTO2 Joshua Davis
John Solt

NCTAMS LANT REGION

Meritorious Service Medal

CDR Howard Higgins
CDR Robert Johnson

Outstanding Volunteer Service Medal

IT1 Cindy Harris

Navy and Marine Corps Commendation Medals

LCDR Russell Herrell
LT Robert Brown
LT James McCartney
LT Johnny Turner
LTJG Todd Lombard
LTJG Robinson Acosta
CWO4 Jerry King
CWO3 Fermin Aque
CWO3 Narcel Hermosura
ENS Jimmy Harvey
ICC Jerry Carrillo
ITCM Eileen Arthur
ITCM Perry Wilson
ITCS Celeste Harvey
ITCS Jeffrey Price
ITCS Jose Rivera
ITC Delisa Magwood
ITC Mary Jackson
ITC Michael Plemons
ITC April Hawkins
ITC Calvin Lark
ITC Randall Warlick
ETC James Wallace
ETC Michael Macumber
SKC Jornel Torres
SKC Alberto Padilla
ET1 Delano Medina

Navy and Marine Corps Achievement Medals

LT Douglas Roberts
LT Joseph Corcoran
CEC Michael Cortez
CE1 Rodney French
ETC Charles Wedemeier
ICC Jerry Carrillo
ITC Reginald Green
ITC Piortr Kosmatko
ITC Randall Warlick
EO1 Robert Minser Jr.
ET1 Douglas Williams
ET1 Jorge Bauzo
ET1 Gerald Azul
IT1 Bobby Smith
IT1 Cindy Harris
IT1 Jay Wilson
IT1 Coleen White
IT1 Davida Ward
IT1 Jonathan Michaud
IT1 Kurt Lawrence
IT1 Michael Anderson
IT1 Steven Bowers
IT1 Timothy Pittman
IT1 Ronald Zwieg
IT1 Daniel Flaherty
IT1 Kevin Flint
IT1 Robert Spain
IT1 Bernard Dawson
IT1 Ethel Hildreth
IT1 Norris Carter
IT1 Tito Butcher
IT1 Davida Ward
IT1 Trina Matthews
IT1 Tyrone Allen
IT1 Richard Boutot
IT1 Joel Ramirez
IT1 James Skellie
IT1 Steve Stoots
IT1 Ethel Hildreth
IT1 Michael Core
OS1 Michael Topo
YN1 Michael Newson
YN1 Darrence Wolfe
YN1 James Brooks
EN2 Chad Omus
ET2 Jason McKinley Thompson
ET2 Leshelle Rickman
ET2 Edward Vanderschalie
ET2 Edward Villa
IT2 Angel Mendez
IT2 Fatima Gibbs
IT2 Kristina Montgomery
IT2 Maro Castillo
IT2 Nicole Katzaman
IT2 Matthew Moseley
IT2 Brian Panelo
IT2 Angelica Mendoza
IT2 Tiffany Winn
IT2 Shantel Richards
IT2 Maegen Myers
IT2 Amanda Simpson
IT2 Rebekah Neitzke
IT2 Shavon Miranda
IT2 Claudia Wright
IT2 Steve Paccia
IT2 Troy Clevenger
SK2 Cassandra Johnson
YN2 Rachel Irwin
CE3 Devin Porter
ET3 Brian Luther
ET3 Michael Jones
IT3 Jared Rich

Good Conduct Medals

ITC Michael Kennedy
ET1 Shannon Wyatt
IT2 Amanda Simpson
IT2 Sarah Washington
IT2 Jason Wilkerson
ET2 Larry Bennett

Flag Letters of Commendation

ET1 Jon Leighton
IT2 Dimple Bemley
IT2 John Kehrer
IT2 Mark Taylor
IT2 Matthew Smith
IT2 Matthew Likewise
IT2 Peter Malinowski
ET2 Hector Cadavid
IT3 Brian Piscitelli
IT3 Devin Lee
IT3 William Pearson
YN3 Chevaye Johnson

ADVANCEMENTS
CPO Selectees

ITC Sharron Carter
ITC Dontay Johnson
ITC Phillip Bates
ITC Willie Arnold
ITC Charles Ross
ITC Latwaine Sweeper
ITC Jacques White
ITC Dana Wright
ITC Thomas Jones
ITC Anthony Peters
ITC Charlotte Derricott
ITC Terry Doud Jr.
ITC Danielle Jones
ITC Christopher Wilcox
ITC Clifford King
ITC Herbert Scott Jr.
ITC James Simon
ITC Sheridan McCray

Petty Officer First Class

CE1 Levi Gustafon
CE1 Laura Basile
ET1 Robert Navarra
ET1 Matthew Reed
MA1 Tanzania Gordon
IT1 William Glenn
IT1 Diante Shabazz
IT1 Darrell Simpson
IT1 Kenneth Strong
IT1 Gregory Dobson
IT1 Joseph Bentley
IT1 Christopher Gary
IT1 Marie Myles
IT1 Heidi Perry
IT1 Evan Weber
IT1 Jay Wilson
IT1 Douglas Dubuque
IT1 Utip Akpaffiong
IT1 Kristina Montgomery
IT1 Gabrial Boyer
IT1 Jamell A. Fields

Petty Officer Second Class

ICT02 Kori Gwen
CTO2 Devin Wheeler
CTO2 Jeremy Parris
EN2 Elvince Julien
ET2 Adam Atkins
ET2 Stefan Harris
ET2 Danie McPherson
ET2 Kevin Edmunds
ET2 Matthew Everson
ET2 Jeffrey Koenig
ET2 Joseph Morris
ET2 Carl Amador
OS2 Lyraak Cutright
OS2 Amber Sanford
OS2 Leisa Vickers
IT2 Philog Boampong
IT2 Evan Grullon
IT2 Nichol Martinec
IT2 Jacqueline Salters
IT2 Leslie Scruggs
IT2 Joanne Stanley
IT2 Lorenzo Taylor
IT2 Joseph Yglesias
IT2 Keith Boswell
IT2 Ryan Gibson
IT2 Faouzi Kawkab
IT2 Rachel McLaughlin
IT2 Conrad Rockenhaus
IT2 Rudy Sandoval Jr.
IT2 Greg Schreiner
IT2 Steven Stone
IT2 Vincent Tarantini
IT2 Kevin Scarboro
IT2 Jessica Clegg

Petty Officer Third Class

CTO3 Brandon Burrell
IT3 Devon Franklin
IT3 Baxter Fullen
IT3 Samuel Glidden
IT3 Jeffery Golden
IT3 Duarte Hughes
IT3 Jason Ingrassia
IT3 Christopher Jordan
IT3 Rafael Negron
IT3 Krystal Owens
IT3 Leah Rudder
IT3 Johnny Saldana
IT3 Cory Young
IT3 Krystle Bacchus
IT3 Russell Bartson
IT3 Jennifer Bouldin
IT3 Russell Davies
IT3 Micheal Dobey
IT3 Tiffany Sandoval
IT3 Garret Webley
IT3 Dareo Wallace
IT3 Allysa Williams
IT3 Samantha Wright
IT3 Genny Franco
IT3 Christopher Frasch Jr.
IT3 Ryan McNair
IT3 Russell Meyer
IT3 Andre Robertson
IT3 Allison Robinson
IT3 Alicia Thomas
IT3 Laura Timmerman
IT3 Brian Wall
IT3 Patricia Dartnell

Reenlistments

ITCS Angela Elder
ITCS Timothy Ruth
MAC Kimberly Kadish
CE1 Shane Conway
NC1 Patrick O'Hear
IT1 Ronald Zweig
ET2 George Bower
IT2 Marco Castillo
IT2 Shannell Pruitt

Civilian Length of Service Awards

David Green, 30 years
Bruce Flood, 25 years
Archie Campbell, 20 years
Valerie Jackson, 20 years
Gievanna Jones, 20 years
Leola Matthews, 20 years
Chester Armstrong, 20 years
Edward Wilson, 20 years
Stewart Atwood, 15 years
Penny Tibbetts, 10 years

NCTAMS PAC REGION

Defense Meritorious Service Medal

LT Otis Summers

Meritorious Service Medal

CMDCM Scott Teves
CDR Jessica Szemkow
CDR Joseph Spegele
LCDR James Rosenthal
CDR Tina Swallow
CDR Sandra Jamshid

Outstanding Volunteer Service Meda

OS2 John Moore
ETC Victoria Marino

Navy and Marine Corps Commendation Medals

ET1 Jared Pahl
ITCS Donal Hair
MMC Michael Smith
ETC Todd Greenwood
LT Curtis Hall
ITC Candy Shire
ETCS Nina Green
SKCS Pablo Torella
CE1 Davy Nito
CMDCM Michael Dollen
IT1 Lang Hoffman
ITC Mark Ross
CE1 William Hillman
IT1 Kevin Armendariz
ITC Robert Skinner
ITC Clarence Roup
ETC Damon Kemp
ITC Vanderla Akaka
NCC Johannes Gonzalez
CWO2 Doyle Purdy
CWO2 Jessie Robinson
IT1 Kevin Montoya
IT1 Stephanie Whitlow
ETC Todd Greenwood
ITCS Angel Medrano

Navy and Marine Corps Achievement Medals

IT3 Scott Coots

IT2 Steven Aguilar
ET2 Jason Dobbs
ET2 Emerson Salvador
ET2 BrandonTheford
IT2 Jose Zamora Jr.
ET1 Eric Baker
ET1 Gregg Bellows
IT1 Jeffrey Benner
IT1 Paul Foster
ET1 Daniel Kinder
IT1 Jessica Mitchem
IT1 Melvin Norman
EN1 Antonio Reyes
IT1 Michael Sanchez Cruz
IT1 Jeffrey Schafer
IT1 Brian Walker
ITC Kevin Bowser
ITC Robert Kauffman
ITC John Hossick
LT James Stanfield
LT Andrew Westrum
ICC Ricardo Huertas
ITC Dalin Smith
IT1 Pedro Albino
IT1 Oscar Evans
IT1 Joseph Maki
IT1 Michael McKenna
ET1 Christopher Porter
CTN1 William Vanhousen
YN1 Dwayne Watson
SK2 Dayan Ade
 ET2 Shane Barton
 ET2 Fernando Robinson
 ET2 Kurtiss Vervynckt
 ET3 Webster Carlin
 ET3 Drew Hettinger
 IT3 Delecia Hollins
 IT1 Joseph Landers
 IT2 James Davis
 IT1 Anthony Peirce
 IT1 Luis Berrios
 ET2 Micheal Jones
 IT2 Williams Wynn
 IT1 Phillip Roberto
 IT1 Kimberly Stevenson
 IT2 Pablo Romero
 ET2 Travis Butler
 IT3 Terrence King
 IT1 Robert Gage
 IT1 Miguel Dejesus
 IT1 Timothy Tomlins
 IT1 Keith Phapakdy
 IT1 James Wade
 PC3 Shatrina Johnson
 IT1 Javier Castro
 IT2 Matthew Friesen
 IT1 Stephen Morimoto
 IT1 Wayne Mcalister
 ITC Leslie Miller
 ET2 William Purdell
 IT3 Brent Jackson
 IT1 Stephan Nemeth
 IT2 Antonio Madrigal
 IT1 Joseph Valencia
 IT2 Kattiska Best
 IT1 Ronald Breedlove
 OS1 John Adams
 ET1 Arthur Bactucal

YN1 Crystal Corbett
ET3 Bryan Erb
IT1 Timothy Firkins
LTJG Luke Kim
ITSN Glen Gilmore
IT2 Michael Hazen
ET2 Glenn Ichikawa
IT2 Russel Johnson
IT1 Evelyn Lazaro
IT2 Jessica Corenzi
OS1 Michael Hagemann
ET1 Lang Hoffman
IT1 Marc Moore
IT1 Anthony Pierce
ET2 James Morrison
OS2 John Moore
ET2 Joseph Macdonald
IT1 Ronald Marks
ET2 Isacc Miyahsiro

Good Conduct Medals

SKC Ronald Escaner
ET1 John Cloo
IT2 Nicole Klee
ET2 Christopher Bradley
IT2 Robert Star
IT3 Deonte Singleton
IT2 Carlos Segoviamorales
IT2 Leslie Matos-Sickman
IT1 Frederick Hunter
IT1 William Gullaba
IT2 Marlin Wren
IT3 Kevin Beville
IT2 Carla Williams
IT1 Shawnalee Hosein
IT2 James Brown
IT1 Derek Strodtman
SK2 Emily Rodriguez
IT3 Justin Provo
IT3 Katryna Krieger
ET1 Christopher Jennings
IT2 Charles Holston
ITC George Donley
EN2 Milcon Dumlao
IT1 Jeffrey Lawyer
IT2 Anna Sterling
EM1 Apollo Corpuz
OS2 Jefferson Canier
SK3 Shamara Perkins
IT2 Kevin Harrison
SKCS Jimmy Fernandez
IT2 Edwin Balmania
IT2 Tammy Manuel

Flag Letters of Commendation

IT2 Shaun Mulkerin
IT2 Nicolas Belder
IT2 Kevin Drayton
ET3 Kyle Uecker
ET1 Ryan Ibbara
ET1 Darren Wilks
ET2 Bryan Roberts
ET1 Clint Dawson

ADVANCEMENTS
CPO Selectees

LNC Joseph Brown
ITC Shannon Manns
ETC Timothy Nordeen
UTC Shane Ouimette
ETC William Purdell
ITC Byron Sanders
ITC Derek Strodtman
ITC Tinesha Woods
ITC Victoria Gates
ITC Kevin Montoya
ITC Brian Walker
ITC Kathryn Piva
ITC Pedro Albino
ITC Juanita Nevills
ITC Michael McKenna
ITC Mark Moltman
ICC Thomas Pederson
YNC Ronnie Sallywhite
NCC Lloyd Stanford
CEC Abner Yandoc
ITC Pedro Albino
ITC Juanita Felix
ITC Michael McKenna
ITC Mark Moltman
ICC Thomas Pederson
YNC Ronnie Sallywhite
NCC Lloyd Stanford

Petty Officer First Class

IT1 Anthony Melby
IT1 Marcus Morrow
IT1 Gene Morsen
ET1 Bryan Roberts
IT1 Aaron Stegall
IT1 Jamie Corretjer
IT1 David Benson
YN1 Tabitha Calloway
SK1 Kachagorn Corbin
IT1 Tasha Pegram
ET1 Vinson Zierlein

Petty Officer Second Class

IT2 Lakora Armstrong
IT2 Marlon Arroyo
IT2 Douglas Johnson
IT2 Jennifer Kenward
IT2 Steve Song
IT2 Beth Graves

Petty Officer Third Class

IT3 Raymond Barnes
IT3 Lekendrick Leavy
IT3 Nydia Dixon
IT3 Joseph Johnson
IT3 Stephanie Hildebrand
IT3 Tanisha Goins
IT3 Jorge Garcia Jr.
IT3 Daniel Drake
IT3 Justin Provo
IT3 Colby Roberts

IT3 Justin VanDyke
IT3 Christopher JBrowning
IT3 Kimberly Pierceall
IT3 Lisa Bumgardner
IT3 John Burnham
YN3 Michael Diaz
IT3 Coby Janis
YN3 Samuel Kolapo
IT3 Latoya Littlejohn
IT3 Marc Pridemore
IT3 Dixon Tiru
IT3 Daniel Tryens
IT3 Rudy Woods

Reenlistments

NCC Johannes Gonzalez
SKC Clyde Maarat
SKC Mark Provonost
ITC James Ewens
ITC Candy Shire
IT1 Keith Phapakady
IT1 Kevin Armendariz
IT1 Derek Strodtman
IT1 Christian Osborn
ET1 Michael Frolik
EM1 Apollo Corpuz
SK1 Virgil Outz
IT2 Christopher Anderson
IT2 Aaron Jedlick
IT2 James Davis
IT2 Matthew Smith
IT2 Maleigh Seals
IT2 Michael Hazen
IT2 Ronalia Davis
IT2 Nicolas Wicker

Civilian Length of Service Awards

Ceasar Padua 40 years
Crescenciano Hooman 40 years
Joseph San Nicolas 40 years
Nelson Tamashiro 40 years
Charlotte Recarte 40 years
Charles Keone 35 years
Frankie Blas 35 years
Francisco Quintanilla 35 years
Carrie Duenas 35 years
Dorothy Hattig 35 years
Everett Ishie, 30 years
Sandra Gist, 30 years
James Letempt, 30 years
Ida Hathaway, 30 years
John Aguero 30 years
Juan Aguon 30 years
Robert Laanan 30 years
Pedro Toves 30 years
Peter Wolford 30 years
Victor Floirendo 30 years
Kim Krause 30 years
Paul Vane, 25 years
Cathy Matkin, 25 years
Mario Rodriguez, 25 years
John Mantanona 25 years
Virginia Indalecia 25 years
Karl Bruner 25 years
Edward Lapuebla 25 years

Jose Santos 25 years
Lorie Collins, 20 years
John Butler, 20 years
Daniel Dulla 20 years
Belinda Blas 20 years
Wendy Quinata 20 years
Michael Bamba 20 years
Viola Cera 20 years
Gregory Gardner 20 years
Ronald Rogers 15years
Paul Ferrara 10 years
Harold Toor 10 years
Kathleen Comitalo, 10 years

Special Acts Awards

Vincent Bordallo
Juan Aguon
Patrick Atherton
Belinda Blas
Raymond Blas
Paul Diaz
Joseph M. Flores
Paul Gogue
Jeffrey Guerreo
Steven Hargett
Crescensiano Hoomana
Virginia Indalecio
Edna Kaai
Charles Keone
Roberto Laanan
Edward Lapuebla
Ronald Larrew
John Montanona
Ceasar Padua
Wendy Quinata
David Rivera
Joseph San Nicolas
John Tajalle
Dianne Terlaje

Pedro Toves
Rudolpho Umadhay
CTO2 Joshua Davis
John Solt

ADDTIONAL ADVANCEMENTS
CPO Selectees

ITC Brad Clark
YNC Kimberly Francis
ITC Paul Taylor
CTRC Laura Cox
CTRC Kanai Fo
CTNC Arnel Oribello
ITC Eric Rucker
CTTC Alexander Brown
CTTC Chrles Gilkey
CTTC Charlotte Horton
CTTC Robert Houge
CTTC Mayra Kohlman
CTNC Dean MacAdam
CTTC Carey Strickland
CTAC Kristie Tyler
MTC Michael Williams

The official party and guests pause for the "parading of the colors" at the change of command for the Navy Cyber Defense Operations Command, held recently at Nauticus in Norfolk, VA. (Photo by MCC(SW/AW) Joseph W. Gunder)

forces) who can provide expertise in any given field of relevance or to a mission. Each MHQ and MOC will be linked to each other. They will also be linked to several other collaborative groups of people who collect information in pursuit of shared goals and missions. These interconnected groups will be the backbone for the Global Network of Maritime Organizations.

The purpose of such networking is to provide effective collaboration and will allow each separate MHQ to give and take from the Global Maritime Community. Ultimately, maritime security and strategy will greatly improve through this sharing of information. The NNFE's challenge is to provide the systems and networks to evolve the world-wide MHQ and MOC Concepts.

Eventually, NNFE will provide leaders a common operational picture at the mere click of a button and a warfighter, in the field, the ability to transmit and receive secure information with equipment that resembles something similar to a Blackberry or Palm Pilot.

NNFE is allowing warriors to become collectors and users of the most up-to-date information on the battlefield and giving them a strategic advantage exactly when and where it's needed. ∝

ATTENTION ALL COLLATERAL DUTY PAOs, MASS COMMUNICATION SPECIALISTS AND FREE LANCERS!!!

NOTE: If your command does not have a Mass Communication Specialist assigned to it … the commanding officer is usually responsible for directing the collateral duty to someone or providing information to this higher headquarters by him or herself, per SECNAVINST 5720.44B.

The following commands have provided NETWARCOM with a name:

NCTAMS LANT *Lori Blann*

NCTAMS PAC *PSC Christopher Stone*

NIOC Norfolk *Thomas Frasca*

CID Corry Station *Darlene Goodwin*

NIOC Georgia *LT Kari Schwab*

WE NEED:

(1) Recall/communication information from you *(Name, phone number, FAX, e-mail address, etc.)*

(2) A complete/accurate mailing address on your command and units

(3) The actual count of how many *InfoDomain* magazines your command needs

(Note … we're basing our count on 8 Sailors per magazine)

Mailing Address and Subscription Information can be e-mailed to:
george.bieber@navy.mil

Or mail to:

**NAVAL NETWARCOM
Public Affairs Office
2465 Guadalcanal Road
Norfolk, VA 23521-3228**

…you may also FAX to:
(757) 492-8702

Please place "Attn: George Bieber" on the cover sheet as we share the FAX machine.

SPECIAL THANK YOU TO DARLENE GOODWIN (CID CORRY STATION PAO) and PSC CHRISTOPHER STONE (NCTAMS PAC) FOR THEIR CONTRIBUTIONS TO THIS ISSUE!!!

(Left to right) CTAC Donella Anderson assigned to SSO Norfolk smiles as CTAC Jason Barnhart places CTAC Kristie Tyler's new cover on her head during her pinning ceremony. Tyler's mother, Peggy, was also in attendence for this special day. Tyler and Barnhart are from NIOC Norfolk. Tyler joined more than 5,000 Sailors throughout the fleet, who were frocked to the rank of chief petty officer on September 15. (Photo by MCC(SW/AW) Joseph W. Gunder)